

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

U.S. Patent No. : 7,178,531 B2  
Issued : February 20, 2007  
Application No. : 10/603,977  
Inventor(s) : Carballada, et al.  
Filed : June 25, 2003  
Art Unit : 3732  
Examiner : Doan, Robyn Kieu  
Docket No. : 8982C&  
Confirmation No. : 3744  
Customer No. : 27752  
Title : DEVICE FOR ACHIEVING SMOOTH AND STRAIGHT  
HAIR

PETITION TO CORRECT ASSIGNEE PURSUANT TO 37 C.F.R. § 1.183

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

A petition to correct assignee is hereby requested under the provisions of 37 CFR 1.183 for filing a reply in the above-identified application.

Applicants' first request for the issuance of a Certificate of Correction was denied (communication dated August 8, 2007). The communication denying the first request states that Petition to correct the Assignee under 37 CFR 1.183 should include: (1) the petition fee set forth in 37 CFR 1.17 (h); and (2) the correct name and address of the assignee; and (3) the reel and frame number where the assignment(s) is recorded or proof of the date the assignment was submitted for recordation.

It is requested that the attached Certificate of Correction be issued under 37 CFR 1.322 and CFR 1.323 for the above-identified patent. The corrections are necessary due to the omission of co-assignee, Matsushita Electric Works, Ltd., on the Issue Fee Transmittal submitted January 8, 2007 by patentee.

The co-assignee, Matsushita Electric Works, Ltd., is listed on the Recordation on May 23, 2008 with reel/frame 020986/0907 (copy attached). Applicants note that item

[73] of the issued patent (copy attached) only lists The Procter & Gamble Company, and does not include Matsushita Electric Works, Ltd. If this petition is granted, Applicants request that the file is forwarded to the Certificates of Correction Branch for issuance of a Certificate of Correction. PTOL 1050 form was previously filed is also attached.

*Corrections*

(73) Assignee: **The Procter & Gamble Company**  
Cincinnati, OH (US)

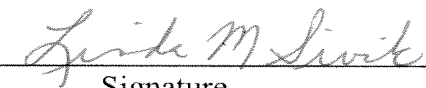
And

**Matsushita Electric Works, Ltd.**  
Kadoma-shi, Osaka (Japan)

Authorization is hereby given to charge the fee under 37 CFR 1.17(h) and any additional fees which may be required, or credit any overpayment, to Deposit Account Number 16-2480 in the name of The Procter & Gamble Company.

Respectfully submitted,

THE PROCTER & GAMBLE COMPANY

By   
Signature

Linda M. Sivik  
Typed or Printed Name  
Registration No. 44,982  
(513) 983-4639

Date: February 23, 2009  
Customer No. 27752



## UNITED STATES PATENT AND TRADEMARK OFFICE

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To: Name: CENTRAL DOCKETING  
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37 C.F.R. 1.6 sets forth the types of correspondence that can be communicated to the Patent and Trademark Office via facsimile transmissions. Applicants are advised to use the certificate of facsimile transmission procedures when submitting a reply to a non-final or final Office action by facsimile (37 CFR 1.8(a)).

#### Fax Notes:

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**UNITED STATES PATENT AND TRADEMARK OFFICE**

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\*700371589\*

MAY 23, 2008

PTAS - CL

CENTRAL DOCKETING  
THE PROCTER & GAMBLE COMPANY  
6250 CENTER HILL AVENUE, IP DIVISION  
WINTON HILL BUSINESS CENTER - BOX 412  
CINCINNATI, OH 45224

UNITED STATES PATENT AND TRADEMARK OFFICE  
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 05/16/2008

REEL/FRAME: 020986/0907  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CARBALLADA, JOSE ANTONIO

DOC DATE: 07/19/2002

ASSIGNOR:

KUHLMAN, DENNIS EUGENE

DOC DATE: 07/30/2002

ASSIGNOR:

STENTZ, DAVID MICHAEL

DOC DATE: 07/30/2002

ASSIGNOR:

NISHIMURA, SHINJI

DOC DATE: 06/26/2002

ASSIGNOR:

NAKASAI, KAZUNORI

DOC DATE: 06/26/2002

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CENTRAL DOCKETING COMPANY: THE PROCTER & GAMBLE COMPANY

020986/0907 PAGE 2

ASSIGNEE:

PROCTER & GAMBLE COMPANY, THE  
ONE PROCTER & GAMBLE PLAZA  
ATTENTION: CHIEF PATENT COUNSEL  
CINCINNATI, OHIO 45202

ASSIGNEE:

MATSUSHITA ELECTRIC WORKS, LTD.  
1048, OAZA-KADOMAO  
KADOMA-SHI, OSAKA 571-8686, JAPAN

SERIAL NUMBER: 10603977 FILING DATE: 06/25/2003  
PATENT NUMBER: 7178531 ISSUE DATE: 02/20/2007  
TITLE: DEVICE FOR ACHIEVING SMOOTH AND STRAIGHT HAIR

ASSIGNMENT SERVICES BRANCH  
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513 626 1355 P.02/05

RECORDATION FORM 500  
PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name(s) of conveying party(ies)/execution date(s):

Jose Antonio Carballada 07/19/2002  
Dennis Eugene Kuhlman 07/30/2002  
David Michael Stentz 07/30/2002  
Shinji Nishimura 06/26/2002  
Kazunori Nakasai 06/26/2002

Additional name(s) of conveying party(ies) attached:

☐ Yes ☐ No

2. Name(s) and address(es) of receiving party(ies):

Name: The Procter & Gamble Company

Internal Address: Attention: Chief Patent Counsel  
One Procter & Gamble Plaza  
Cincinnati, OH 45202

Additional name(s) &amp; address(es) attached?

☒ Yes ☐ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of name  
☐ Joint Research Agreement

Executed: \_\_\_\_\_

Name of the owner of the application (or patent): \_\_\_\_\_

Name of other party to Joint Research Agreement: \_\_\_\_\_

☐ Other \_\_\_\_\_

Matsushita Electric Works, Ltd.  
1048, Oaza-Kadomao  
Kadoma-Shi, Osaka 571-8686  
Japan

4. Application number(s) or patent number(s):

This document is being filed together with a new application: ☐ Yes ☒ No

A. Patent Application No(s).

Date Filed: \_\_\_\_\_

P&amp;G Case: \_\_\_\_\_

Confirmation No.: \_\_\_\_\_

B. Patent No(s). 7,178,531P&G Case: 8982C&Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: CENTRAL DOCKETINGInternal Address: THE PROCTER & GAMBLE COMPANY

Street Address:

Intellectual Property Division  
Winton Hill Business Center - Box 412  
6250 Center Hill Avenue  
Cincinnati, OH 45224

Phone: (513) 626-4122Fax Number: (513) 626-1355Email Address: Sivik.lm@pg.com6. Total number of applications and patents involved: { 1 }

7. Total fee (37 CFR 3.41):.....\$40.00

☒ Authorized to be charged to deposit account

8. Deposit account number:

16-2480Authorized User Name: Linda SivikLinda M. Sivik

Name of Person Signing

Linda M. Sivik  
Signature5-16-08  
DateTotal number of pages including cover sheet, attachments, and documents: [4]

Documents to be recorded (including cover sheet must be either: (1) mailed with the patent application filing papers - checking Box #8 on the Utility or Design Transmittal Form -; (2) faxed to (571) 273-0140; or (3) mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1460, Alexandria, VA 22304-1460.



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(12) **United States Patent**  
**Carballada et al.**

(10) **Patent No.:** **US 7,178,531 B2**  
(45) **Date of Patent:** **Feb. 20, 2007**

(54) **DEVICE FOR ACHIEVING SMOOTH AND STRAIGHT HAIR**

(75) Inventors: **Jose Antonio Carballada**, Cincinnati, OH (US); **Dennis Eugene Kuhlman**, Middletown, OH (US); **David Michael Stentz**, Cincinnati, OH (US); **Shinji Nishimura**, Hikone (JP); **Kazunori Nakasai**, Hikone (JP)

(73) Assignee: **The Procter & Gamble Company**, Cincinnati, OH (US)

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 680 days.

(21) Appl. No.: **10/603,977**

(22) Filed: **Jun. 25, 2003**

(65) **Prior Publication Data**

US 2004/0000319 A1 Jan. 1, 2004

**Related U.S. Application Data**

(63) Continuation of application No. PCT/US02/20127, filed on Jun. 26, 2002.

(51) **Int. Cl.**

**A45D 1/00** (2006.01)

**A45D 1/02** (2006.01)

**A45D 6/06** (2006.01)

(52) **U.S. Cl.** ..... **132/224; 132/227; 132/228**

(58) **Field of Classification Search** ..... **132/224, 132/227, 228, 229, 232, 272, 269; 219/222-225**  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,034,201 A 7/1977 Walter  
4,503,317 A 3/1985 Mancillas  
5,365,953 A 11/1994 Feughelman  
5,857,470 A 1/1999 Schmidt

6,056,946 A 5/2000 Crudele et al.  
6,199,558 B1 3/2001 Schmidt  
6,325,072 B1 12/2001 Smetana  
6,397,855 B1 6/2002 Dumler

**FOREIGN PATENT DOCUMENTS**

JP 48-16751 5/1973  
JP 52-78559 7/1977  
JP 53-9673 1/1978  
JP 55-70208 5/1980  
JP 61-2806 1/1986

(Continued)

*Primary Examiner*—John J. Wilson

*Assistant Examiner*—Robyn Doan

(74) *Attorney, Agent, or Firm*—Linda M. Sivik; Tara M. Rosnell

(57) **ABSTRACT**

A hair styling device for smoothing and straightening hair strands on a scalp region, comprising, in combination: two hingedly attached, movably opposed arms each of said arms comprising a hair strand gripping means; heating means incorporated into the gripping means for providing heat to the hair strands; a reservoir in fluid communication with a means of delivery of the gripping means which delivers a nonvolatile styling active delivered as droplets having a Dv(90) of less than about 30 microns. A method for straightening hair strands on a scalp region wherein hair to be straightened is passed under tension between a gripping means, wherein the gripping means provides a heating means, and a styling active comprising nonvolatile compounds, wherein the styling active is delivered as droplets having a Dv(90) of less than about 30 microns.

**53 Claims, 16 Drawing Sheets**

